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# GeForce Graphics

NVIDIA GEFORCE GTX

## Main Characteristics

- NVIDIA GPU Boost
- NVIDIA Adaptive Vertical Sync
- NVIDIA® Surround™
- Support for four concurrent displays including: Two dual-link DVI, HDMI®, Displayport 1.2
- Microsoft® DirectX® 11 with DirectCompute 5.0 support
- NVIDIA® PhysX® technology
- NVIDIA® 3D Vision®-Ready2
- NVIDIA® SLI®-Ready
- NVIDIA® CUDA® technology
- PCI Express 3.0 support
- Open GL 4.2 support
- OpenCL™ support

# GEFORCE® GTX 680

## Performances Features

- **Bus connector :** PCI Express® 3.0
- **Outputs :** Dual DVI, HDMI, DIsplay Port

- **CUDA Cores :** 1 536
- **Memory Capacity :** 4 GB
- **Memory Interface :** 256-bit

- **Base / Boost Clock :** 1 006 MHz / 1 058 MHz
- **Memory Speed :** 6 GBps

- **Memory Bandwith :** 192 GB/seconds
- **FIIRate :** 128,8 billion texels/seconds

## Minimum System Requirements

- PCI Express-compliant motherboard with one dual-width x16 graphics slot
- Two 6-pin PCI Express supplementary power connectors
- Minimum 550W or greater system power supply (with a minimum 12V current rating of 38A)
- 300 MB of available hard-disk space
- 2GB system memory (4GB or higher recommended)
- Microsoft Windows 7, Windows Vista, or Windows XP Operating System (32 or 64-bit)
- DVD-ROM drive or Internet connection

## Ordering Informations / Warranty

- **Skus and EAN**

| REFERENCE | EAN CODE |
|---|---|
| GF680GTX4GEPB | 3536403341220 |

- **Packaging Contents**
- PNY GeForce GTX 680 graphics card
- Driver CD
- Quick Install Guide
- Y PCIE Power Connectors

- **3 Years Manufacturer Warranty**

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